Welcome to STN International! Enter x:x

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LOGINID:ssspta1612bxr
PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2
* * * * * * * * * *
                     Welcome to STN International
                 Web Page for STN Seminar Schedule - N. America
NEWS
         OCT 02
NEWS
                 CA/CAplus enhanced with pre-1907 records from Chemisches
                 Zentralblatt
         OCT 19
NEWS
                 BEILSTEIN updated with new compounds
NEWS
         NOV 15
                 Derwent Indian patent publication number format enhanced
         NOV 19
NEWS
                 WPIX enhanced with XML display format
         NOV 30
NEWS 6
                 ICSD reloaded with enhancements
NEWS
      7
         DEC 04
                 LINPADOCDB now available on STN
NEWS 8 DEC 14
                 BEILSTEIN pricing structure to change
NEWS 9
         DEC 17
                 USPATOLD added to additional database clusters
NEWS 10 DEC 17
                 IMSDRUGCONF removed from database clusters and STN
NEWS 11
         DEC 17
                 DGENE now includes more than 10 million sequences
NEWS 12 DEC 17
                 TOXCENTER enhanced with 2008 MeSH vocabulary in
                 MEDLINE segment
NEWS 13 DEC 17
                 MEDLINE and LMEDLINE updated with 2008 MeSH vocabulary
NEWS 14
         DEC 17
                 CA/CAplus enhanced with new custom IPC display formats
NEWS 15 DEC 17
                 STN Viewer enhanced with full-text patent content
                  from USPATOLD
NEWS 16
         JAN 02
                 STN pricing information for 2008 now available
NEWS 17
         JAN 16
                 CAS patent coverage enhanced to include exemplified
                 prophetic substances
NEWS 18
         JAN 28
                 USPATFULL, USPAT2, and USPATOLD enhanced with new
                 custom IPC display formats
NEWS 19
         JAN 28
                 MARPAT searching enhanced
NEWS 20
         JAN 28
                 USGENE now provides USPTO sequence data within 3 days
                 of publication
NEWS 21
         JAN 28
                 TOXCENTER enhanced with reloaded MEDLINE segment
NEWS 22 JAN 28 MEDLINE and LMEDLINE reloaded with enhancements
NEWS 23 FEB 08
                 STN Express, Version 8.3, now available
NEWS 24 FEB 20
                 PCI now available as a replacement to DPCI
NEWS 25 FEB 25
                 IFIREF reloaded with enhancements
                 IMSPRODUCT reloaded with enhancements
NEWS 26 FEB 25
NEWS 27 FEB 29
                 WPINDEX/WPIDS/WPIX enhanced with ECLA and current
                 U.S. National Patent Classification
NEWS EXPRESS FEBRUARY 08 CURRENT WINDOWS VERSION IS V8.3,
             AND CURRENT DISCOVER FILE IS DATED 20 FEBRUARY 2008
NEWS HOURS
              STN Operating Hours Plus Help Desk Availability
NEWS LOGIN
              Welcome Banner and News Items
NEWS IPC8
              For general information regarding STN implementation of IPC 8
```

Enter NEWS followed by the item number or name to see news on that specific topic.

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FILE 'HOME' ENTERED AT 15:49:32 ON 06 MAR 2008

=> file casreact COST IN U.S. DOLLARS

FULL ESTIMATED COST

SINCE FILE TOTAL ENTRY SESSION 0.21 0.21

FILE 'CASREACT' ENTERED AT 15:49:39 ON 06 MAR 2008 USE IS SUBJECT TO THE TERMS OF YOUR CUSTOMER AGREEMENT COPYRIGHT (C) 2008 AMERICAN CHEMICAL SOCIETY (ACS)

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FILE CONTENT:1840 - 2 Mar 2008 VOL 148 ISS 10

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Some CASREACT records are derived from the ZIC/VINITI database (1974-1999) provided by InfoChem, INPI data prior to 1986, and Biotransformations database compiled under the direction of Professor Dr. Klaus Kieslich.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> Uploading C:\Documents and Settings\brobinson1\My Documents\stnweb\Queries\gnht.str

L1 STRUCTURE UPLOADED

=> d 11

L1 HAS NO ANSWERS

L1 STF

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

Structure attributes must be viewed using STN Express query preparation.

=> s 11SAMPLE SEARCH INITIATED 15:53:04 FILE 'CASREACT' SCREENING COMPLETE - 318 REACTIONS TO VERIFY FROM 42 DOCUMENTS 100.0% DONE 318 VERIFIED 0 HIT RXNS 0 DOCS SEARCH TIME: 00.00.02 FULL FILE PROJECTIONS: ONLINE **COMPLETE** BATCH **COMPLETE** PROJECTED VERIFICATIONS: 5291 TO 7429 PROJECTED ANSWERS: 0 TO L2 0 SEA SSS SAM L1 (0 REACTIONS) => s 11 full THE ESTIMATED SEARCH COST FOR FILE 'CASREACT' IS 117.50 U.S. DOLLARS DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y FULL SEARCH INITIATED 15:53:11 FILE 'CASREACT' SCREENING COMPLETE - 6350 REACTIONS TO VERIFY FROM 787 DOCUMENTS 100.0% DONE 6350 VERIFIED 0 HIT RXNS 0 DOCS SEARCH TIME: 00.00.05 L3 0 SEA SSS FUL L1 (0 REACTIONS) Uploading C:\Documents and Settings\brobinson1\My Documents\stnweb\Queries\adfr.str L4 STRUCTURE UPLOADED => d 14L4 HAS NO ANSWERS STR *** STRUCTURE DIAGRAM IS NOT AVAILABLE *** Structure attributes must be viewed using STN Express query preparation. => s 14 SAMPLE SEARCH INITIATED 15:54:40 FILE 'CASREACT' SCREENING COMPLETE - 318 REACTIONS TO VERIFY FROM 42 DOCUMENTS 100.0% DONE 318 VERIFIED 0 HIT RXNS 0 DOCS SEARCH TIME: 00.00.01 FULL FILE PROJECTIONS: ONLINE **COMPLETE**

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED VERIFICATIONS: 5291 TO 7429
PROJECTED ANSWERS: 0 TO 0

L5 0 SEA SSS SAM L4 (0 REACTIONS)

=> s 14 full

THE ESTIMATED SEARCH COST FOR FILE 'CASREACT' IS 117.50 U.S. DOLLARS
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y
FULL SEARCH INITIATED 15:54:44 FILE 'CASREACT'
SCREENING COMPLETE - 6350 REACTIONS TO VERIFY FROM 787 DOCUMENTS

100.0% DONE 6350 VERIFIED 4 HIT RXNS 3 DOCS

SEARCH TIME: 00.00.01

L6 3 SEA SSS FUL L4 (4 REACTIONS)

=> s 16 and levy, m?/au 22 LEVY, M?/AU

L7 0 L6 AND LEVY, M?/AU

 \Rightarrow d 16, ibib abs crd, 1-3

L6 ANSWER 1 OF 3 CASREACT COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 104:129685 CASREACT

TITLE: Inverse electron demand Diels-Alder reactions of

heterocyclic azadienes. Studies on the total

synthesis of lavendamycin: investigative studies on

the preparation of the CDE β -carboline ring system and AB quinoline-5,8-quinone ring system

AUTHOR(S): Boger, Dale L.; Duff, Steven R.; Panek, James S.;

Yasuda, Masami

CORPORATE SOURCE: Dep. Med. Chem., Univ. Kansas, Lawrence, KS,

66045-2500, USA

III

SOURCE: Journal of Organic Chemistry (1985), 50(26), 5782-9

CODEN: JOCEAH; ISSN: 0022-3263

DOCUMENT TYPE: Journal

LANGUAGE: English

GI

AB Enamines of 2-RC6H4COEt (R = Br, F) underwent [4 + 2] cycloaddn. with tri-Et 1,2,4-triazine-3,5,6-tricarboxylate to give the pyridines I. I (R = Br) was converted to the indolopyridine II via transesterification, Schmidt reaction, and (Ph3P)4Pd-mediated ring closure. The aminoquinolinedione III (R1 = NH2, R2 = H) was prepared via oxidn of 7-bromo-5-nitro-8-quinolinol to III (R1 = Br, R2 = H), reaction with NaN3, treatment of III (R1 = N3, R2 = H) with PPh3, and hydrolysis of the imine. III (R1 = NH2, R2 = 2-pyridy1) was similarly prepared

RX(5) OF 261

L6 ANSWER 2 OF 3 CASREACT COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 103:123452 CASREACT

TITLE: Chemistry of 1,2,4-triazines, XII. Cycloaddition

reactions of azabenzenes, XVII. Reactions of 1,2,4-triazines with 6-(dimethylamino)pentafulvene

AUTHOR(S): Neunhoeffer, Hans; Bachmann, Michael

CORPORATE SOURCE: Inst. Org. Chem. Biochem., Tech. Hochsch. Darmstadt,

Darmstadt, D-6100, Fed. Rep. Ger.

SOURCE: Liebigs Annalen der Chemie (1985), (6), 1263-6

CODEN: LACHDL; ISSN: 0170-2041

DOCUMENT TYPE: Journal LANGUAGE: German

GI

AB Pentafulvene I reacted with triazines II (R3, R5, R6 = Me, C02Me, C02Me; Me, C02Et, C02Et; C02Me, C02Me, C02Me; C02Me, Ph, H; C02Me, Ph, Ph) either via addition to C5 of II to give pentafulvenyltriazines III or by a [4+2]cycloaddn. to give pyrindenes IV/V. No [6+4] cycloaddn. between I

and II was observed There was no reaction between I and II (R3, R5, R6 = Ph, H, H; H, Ph, H; Ph, Ph, Ph; Me, Me, Me) in boiling dioxane or boiling xylene; in diglycine, only tar-like decomposition products were obtained.

L6 ANSWER 3 OF 3 CASREACT COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 93:132190 CASREACT

TITLE: Synthesis of ubiquinone and menaquinone analogs by

oxidative demethylation of alkenylhydroquinone ethers with argentic oxide or ceric ammonium nitrate in the

presence of 2,4,6-pyridinetricarboxylic acid

AUTHOR(S): Syper, L.; Kloc, K.; Mlochowski, J.

CORPORATE SOURCE: Inst. Org. Phys. Chem., Tech. Univ., Wroclaw, 50 370,

Pol.

SOURCE: Tetrahedron (1980), 36(1), 123-9

CODEN: TETRAB; ISSN: 0040-4020

DOCUMENT TYPE: Journal LANGUAGE: English

GΙ

The alkenylhydroquinone ethers I [R2 = (OMe)2, CH:CHCH:CH, R1 = allyl, CH2CH:CMeCH2CH2CH:CMe2; R2 = CH:CHCH:CH, R1 = CH2CH:CMe2) underwent oxidative demethylation with AgO and (NH4)2Ce(NO3)6 catalyzed by 2,4,6-pyridinetricarboxylic acid (II), giving 53-89% quinones III (same R, R1). The prepns. of I and II are described.

RX(6) OF 95

MeO-C N C-OMe HO₂C N
$$CO_2H$$

C-OMe CO_2H

86%

RX(35) OF 95 - 2 STEPS

=> file rev

'REV' IS NOT A VALID FILE NAME

SESSION CONTINUES IN FILE 'CASREACT'

Enter "HELP FILE NAMES" at an arrow prompt (=>) for a list of files that are available. If you have requested multiple files, you can specify a corrected file name or you can enter "IGNORE" to continue accessing the remaining file names entered.

=> file reg

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	265.16	265.37
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-2.25	-2.25

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TSCA INFORMATION NOW CURRENT THROUGH January 9, 2008.

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REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=>

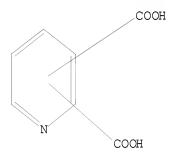
Uploading C:\Documents and Settings\brobinson1\My
Documents\stnweb\Queries\1qwert.str

L8 STRUCTURE UPLOADED

=> d 18

L8 HAS NO ANSWERS

L8 STR



Structure attributes must be viewed using STN Express query preparation.

38 ANSWERS

=> s 18 SAMPLE SEARCH INITIATED 16:06:36 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 2842 TO ITERATE

70.4% PROCESSED 2000 ITERATIONS INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**

PROJECTED ITERATIONS: 53643 TO 60037 PROJECTED ANSWERS: 639 TO 1519

L9 38 SEA S\$S SAM L8

=> s 18 full

THE ESTIMATED SEARCH COST FOR FILE 'REGISTRY' IS 177.90 U.S. DOLLARS DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y FULL SEARCH INITIATED 16:06:41 FILE 'REGISTRY' FULL SCREEN SEARCH COMPLETED - 57126 TO ITERATE

100.0% PROCESSED 57126 ITERATIONS 1059 ANSWERS

SEARCH TIME: 00.00.01

L10 1059 SEA SSS FUL L8

=> file hcaplus

COST IN U.S. DOLLARS
SINCE FILE TOTAL
ENTRY SESSION
FULL ESTIMATED COST
181.12
446.49

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) SINCE FILE TOTAL ENTRY SESSION

CA SUBSCRIBER PRICE 0.00 -2.25

FILE 'HCAPLUS' ENTERED AT 16:06:44 ON 06 MAR 2008
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FILE COVERS 1907 - 6 Mar 2008 VOL 148 ISS 10 FILE LAST UPDATED: 5 Mar 2008 (20080305/ED)

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This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 110/prep

4212 L10

4538656 PREP/RL

L11 938 L10/PREP

(L10 (L) PREP/RL)

=> file req

COST IN U.S. DOLLARS
SINCE FILE TOTAL
ENTRY SESSION
FULL ESTIMATED COST
2.69 449.18

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) SINCE FILE TOTAL ENTRY SESSION

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STRUCTURE FILE UPDATES: 5 MAR 2008 HIGHEST RN 1006749-26-3 DICTIONARY FILE UPDATES: 5 MAR 2008 HIGHEST RN 1006749-26-3

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TSCA INFORMATION NOW CURRENT THROUGH January 9, 2008.

Please note that search-term pricing does apply when conducting SmartSELECT searches.

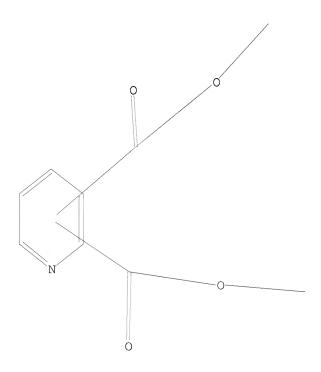
REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

Uploading C:\Documents and Settings\brobinson1\My Documents\stnweb\Queries\serty.str

L12 STRUCTURE UPLOADED

=> d 112L12 HAS NO ANSWERS L12 STR



Structure attributes must be viewed using STN Express query preparation.

=> s 112 full

THE ESTIMATED SEARCH COST FOR FILE 'REGISTRY' IS 177.90 U.S. DOLLARS DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y FULL SEARCH INITIATED 16:09:11 FILE 'REGISTRY' FULL SCREEN SEARCH COMPLETED - 104766 TO ITERATE

100.0% PROCESSED 104766 ITERATIONS

983 ANSWERS

SEARCH TIME: 00.00.01

L13 983 SEA SSS **FUL** L12

=> file hcaplus

COST IN U.S. DOLLARS
SINCE FILE TOTAL
ENTRY SESSION
FULL ESTIMATED COST 179.74 628.92

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE TOTAL
ENTRY SESSION

CA SUBSCRIBER PRICE

0.00 -2.25

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This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 113

L14 684 L13

=> s 113/rct

684 L13 3072975 RCT/RL 227 L13/RCT

(L13 (L) RCT/RL)

=> d his

L15

(FILE 'HOME' ENTERED AT 15:49:32 ON 06 MAR 2008)

FILE 'CASREACT' ENTERED AT 15:49:39 ON 06 MAR 2008

```
STRUCTURE UPLOADED
T.1
L2
              0 S L1
L3
              0 S L1 FULL
L4
                STRUCTURE UPLOADED
L5
              0 S L4
L6
              3 S L4 FULL
L7
              0 S L6 AND LEVY, M?/AU
     FILE 'REGISTRY' ENTERED AT 16:02:48 ON 06 MAR 2008
Г8
                STRUCTURE UPLOADED
L9
             38 S L8
L10
           1059 S L8 FULL
     FILE 'HCAPLUS' ENTERED AT 16:06:44 ON 06 MAR 2008
L11
           938 S L10/PREP
     FILE 'REGISTRY' ENTERED AT 16:06:51 ON 06 MAR 2008
L12
                STRUCTURE UPLOADED
L13
            983 S L12 FULL
     FILE 'HCAPLUS' ENTERED AT 16:09:15 ON 06 MAR 2008
L14
            684 S L13
            227 S L13/RCT
L15
=> s 115 and 111
           62 L15 AND L11
L16
=> s 116 and saponification
          9642 SAPONIFICATION
            39 SAPONIFICATIONS
          9654 SAPONIFICATION
                  (SAPONIFICATION OR SAPONIFICATIONS)
         55154 SAPON
            92 SAPONS
         55200 SAPON
                  (SAPON OR SAPONS)
         60242 SAPONIFICATION
                  (SAPONIFICATION OR SAPON)
L17
            14 L16 AND SAPONIFICATION
=> s 117 and oxid?
       3178855 OXID?
L18
             7 L17 AND OXID?
\Rightarrow s 118 and levy, m?/au
          2169 LEVY, M?/AU
             0 L18 AND LEVY, M?/AU
L19
\Rightarrow d 118, ibib abs hitstr, 1-7
L18 ANSWER 1 OF 7 HCAPLUS COPYRIGHT 2008 ACS on STN
                          2001:389578 HCAPLUS
ACCESSION NUMBER:
DOCUMENT NUMBER:
                          135:204371
TITLE:
                          New ruthenium bisterpyridinyl complexes, as efficient
                          sensitizers of nanocrystalline, TiO2 films
AUTHOR(S):
                          Beley, M.; Bignozzi, C.-A.; Kirsch, G.; Alebbi, M.;
                         Raboin, J.-C.
CORPORATE SOURCE:
                         Laboratoire d'Electrochimie des Materiaux, Universite
```

de Metz, Metz, ile du Saulcy, 57045, Fr.

Inorganica Chimica Acta (2001), 318(1,2), 197-200

CODEN: ICHAA3; ISSN: 0020-1693

PUBLISHER: Elsevier Science S.A.

DOCUMENT TYPE: Journal LANGUAGE: English

OTHER SOURCE(S): CASREACT 135:204371

AB Unsym. bisterpyridinyl ruthenium complexes carrying vicinal carboxylic acids were prepared They show room temperature luminescence and efficient sensitization of nanocryst. TiO2 films, with conversion yields (IPCE) of 70%.

IT 356788-03-9P 356788-11-9P

RL: PRP (Properties); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation, luminescence and electrochem. oxidn. as efficient sensitizer of nanocryst. titania films)

RN 356788-03-9 HCAPLUS

CN Ruthenium, $[4'-(4-\text{methylphenyl})-2,2':6',2''-\text{terpyridine-}\\ \kappa N1, \kappa N1', \kappa N1''][[2,2':6',2''-\text{terpyridine}]-3',4'-\\ \text{dicarboxylato}(2-)-\kappa N1, \kappa N1', \kappa N1'']-, (OC-6-24)-,\\ \text{dinitrate} (9CI) (CA INDEX NAME)$

CM 1

SOURCE:

CRN 356788-02-8 CMF C39 H26 N6 O4 Ru CCI CCS

CM 2

CRN 7697-37-2 CMF H N O3

RN 356788-11-9 HCAPLUS

CN Ruthenate(2-), bis[[2,2':6',2''-terpyridine]-3',4'-dicarboxylato(2-)- κ N1, κ N1', κ N1'']-, (OC-6-1'3)-, potassium hexafluorophosphate(1-) (1:4:2) (9CI) (CA INDEX NAME)

CM 1

CRN 356788-10-8 CMF C34 H18 N6 O8 Ru CCI CCS

CM 2

CRN 16919-18-9 CMF F6 P CCI CCS

IT 247058-04-4P 247058-05-5P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP

(Preparation); RACT (Reactant or reagent)

(reactant for preparation of ruthenium terpyridine complex as efficient sensitizer of nanocryst. titania films)

RN 247058-04-4 HCAPLUS

CN [2,2':6',2''-Terpyridine]-3',4'-dicarboxylic acid, dimethyl ester (9CI) (CA INDEX NAME)

RN 247058-05-5 HCAPLUS

CN [2,2':6',2''-Terpyridine]-3',4'-dicarboxylic acid, 4''-chloro-, dimethyl ester (9CI) (CA INDEX NAME)

REFERENCE COUNT: 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L18 ANSWER 2 OF 7 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1991:583295 HCAPLUS

DOCUMENT NUMBER: 115:183295

TITLE: Preparation of pyridinedicarboxylates, their

conversion to (dioxacycloalkyl)(oxoimidazolidinyl)nico

tinates in preparation of herbicides

INVENTOR(S): Finn, John Michael

PATENT ASSIGNEE(S): American Cyanamid Co., USA SOURCE: Eur. Pat. Appl., 110 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PAT	TENT NO.			KINI)	DATE		AE	PP.	LICATION NO.		DATE
	434965						0703	EE		1990-122074		19901119
EP	434965			A3		1992	0108					
				В1			0520					
	R: AT,	BE,	CH,	DE,	DK	, ES,	FR,	GB, G	GR	R, IT, LI, LU, NI	, S	E
US	5026859			A		1991	0625	US	5	1989-457607		19891227
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AT	166350			T		1998	0615	A)	Γ	1990-122074		19901119
ES	2116971			Т3		1998	0801	ES	3	1989-457606 1990-122074 1990-122074 1990-96429		19901119
ΙL	96429			А		1994	1229	II		1990-96429		19901121
${ t IL}$	109336			A		1995	0526	II		1990-109336		19901121
AU	9068383			A		1991	0704	JA	J	1990-68383		19901221
AU	637857			В2		1993	0610					
	2033143						0628	CF	Ą	1990-2033143		19901224
CA	2033143			С		2004	0921					
	04120074			A		1992	0421	JE		1990-413664		19901225
	3157173						0416					
	9006596						1001			1990-6596		19901226
US	5225564						0706	US	5	1991-694708		19910502
US	5239070			A			0824			1991-714548		19910611
	5283230			A		1994	0201			1993-36120		19930323
US	5344935			A		1994	0906			1993-68363		
US	5405827			A		1995	0411	US	5	1993-140776		19931021
PRIORITY	APPLN.	INFO	.:							1989-457606		
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										1990-96429		
										1991-694708		
										1991-714548		
										1993-36120		
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OTHER SOURCE(S): CASREACT 115:183295; MARPAT 115:183295

AB Certain 2,3-pyridinedicarboxylates, e.g., di-Me 5-(1,3-dioxolan-2-yl)- or di-Me 5-(1,3-dioxepan-2-yl)-2,3-pyridinedicarboxylate, fused pyridinecarboxylates (no data), and 2-(5-oxo-1H-imidazol-2-yl)-3-pyridinecarboxylates [(5-oxo-1H-imidazol-2-yl)nicotinates] are claimed. Several methods for the preparation of these 2,3-pyridinedicarboxylates and also for the preparation of fused pyridinecarboxylate derivs. are claimed. Some of the compds. thus prepared were screened for herbicidal activity. Cyclocondensation reaction of 2-[N-(1-carbamoyl-1,2-dimethylpropyl)carbamoyl]-5-(1,3-dioxolan-2-yl)nicotinic acid gave 5% 2-[4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-5-(1,3-dioxolan-2-yl)nicotinic acid (I). I was screened as herbicide against Echinochloa crusgalli, Ambrosia artemisiifolia, etc., and against sugarbeets, corn, cotton, and soybeans.

RN 112110-16-4 HCAPLUS

CN 2,3-Pyridinedicarboxylic acid, 5-methyl-, 2,3-dimethyl ester (CA INDEX NAME)

RN 136593-12-9 HCAPLUS

CN 2,3-Pyridinedicarboxylic acid, 5-(1,3-dioxolan-2-yl)- (CA INDEX NAME)

RN 136592-93-3 HCAPLUS

CN 2,3-Pyridinedicarboxylic acid, 6-chloro-5-formyl-, dimethyl ester (9CI) (CA INDEX NAME)

RN 136592-99-9 HCAPLUS

CN 2,3-Pyridinedicarboxylic acid, 5-(1,3-dioxepan-2-yl)-, dimethyl ester

IT 136592-95-5P

RN 136592-95-5 HCAPLUS

CN 2,3-Pyridinedicarboxylic acid, 5-(1,3-dioxolan-2-yl)-, dimethyl ester (9CI) (CA INDEX NAME)

L18 ANSWER 3 OF 7 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1989:212562 HCAPLUS

DOCUMENT NUMBER: 110:212562

TITLE: Controlled, regiospecific oxidation of

pyridinecarboxylic acids and esters with elemental

fluorine

AUTHOR(S): Van Der Puy, Michael; Nalewajek, David; Wicks, Gene E. CORPORATE SOURCE: Buffalo Res. Lab., Allied-Signal Inc., Buffalo, NY,

14210, USA

SOURCE: Tetrahedron Letters (1988), 29(35), 4389-92

CODEN: TELEAY; ISSN: 0040-4039

DOCUMENT TYPE: Journal LANGUAGE: English

OTHER SOURCE(S): CASREACT 110:212562

AB Pyridinecarboxylate salts or esters in H2O or H2O-MeCN mixts. were treated with elemental F to give the corresponding 2-pyridones regiospecifically.

IT 605-38-9, Dimethyl 2,3-pyridinedicarboxylate RL: RCT (Reactant); RACT (Reactant or reagent)

(hydroxylation of, with fluorine in water, regiochem. of)

RN 605-38-9 HCAPLUS

CN 2,3-Pyridinedicarboxylic acid, 2,3-dimethyl ester (CA INDEX NAME)

IT 32383-11-2P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP

(Preparation); RACT (Reactant or reagent)

(preparation and sapon. of)

RN 32383-11-2 HCAPLUS

CN 2,3-Pyridinedicarboxylic acid, 1,6-dihydro-6-oxo-, dimethyl ester (8CI,

9CI) (CA INDEX NAME)

IT 7596-64-7P

RL: SPN (Synthetic preparation); PREP (Preparation)

(preparation of)

RN 7596-64-7 HCAPLUS

CN 2,3-Pyridinedicarboxylic acid, 1,6-dihydro-6-oxo- (CA INDEX NAME)

L18 ANSWER 4 OF 7 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1987:213943 HCAPLUS

DOCUMENT NUMBER: 106:213943

TITLE: Herbicidal 2-(2-imidazolin-2-yl)pyridine derivatives

INVENTOR(S): Los, Marinus

PATENT ASSIGNEE(S): American Cyanamid Co., USA SOURCE: Brit. UK Pat. Appl., 361 pp.

CODEN: BAXXDU

DOCUMENT TYPE: Patent LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO. KIND DATE APPLICATION NO. DATE

GB 2174395 A 19861105 GB 1986-11303 19860509

GB 2174395
PRIORITY APPLN. INFO.:
OTHER SOURCE(S):
GI

GB 1986-11303 CASREACT 106:213943: MARPAT 106:213943 19860509

THER SOURCE(S): CASREACT 106:213943; MARPAT 106:213943

$$R^{5}$$
 R^{8}
 R^{8}
 R^{1}
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The title compds. [I; R1 = C1-4 alkyl; R2 = C1-4 alkyl, C3-6 cycloalkyl; R1R2 = (Me-substituted) C2-5 alkylene; R3 = (un)modified CO2H, acyl, HOCH2, carboxyalkyl, oxazolidinyl, (substituted) alkenyl, alkynyl, cycloalkyl, etc; R4 = H, halo, OH, Me; R5, R6 = H, halo, (substituted) C1-6 alkyl, hydroxyalkyl, C1-6 alkoxy, C1-4 alkylthio, PhO, NO2, cyano, amino; R5R6 = atoms to complete a fused, (un)subst. aromatic ring; R7 = H, (substituted) acyl, sulfonyl; X = O, S] and related compds. were prepared as herbicides. Thus, pyrrolopyridineacetamide II was treated successively with diazabicycloundcene and MeOH to give I (R1 = Me, R2 = Me2CH, R3 = CO2Me, R4-R7 = H, X = O). This was saponified and treated with Et3N to give I.Et3N (R1 = Me, R2 = Me2CH, R3 = CO2H, R4-R7 = H, X = O) (III). At 0.032 kg/ha III gave a complete kill of quackgrass.

IT 90376-86-6P 90376-87-7P 90376-88-8P 92513-41-2P 92513-42-3P 92513-43-4P

92513-44-5P 92513-45-6P 92513-46-7P

92513-47-8P 92513-48-9P 92513-49-0P

92513-50-3P

RL: SPN (Synthetic preparation); PREP (Preparation) (preparation and conversion to anhydride)

RN 90376-86-6 HCAPLUS

CN 2,3-Quinolinedicarboxylic acid, 5,8-dimethoxy- (CA INDEX NAME)

RN 90376-87-7 HCAPLUS

CN 2,3-Quinolinedicarboxylic acid, 6-(methylthio)- (CA INDEX NAME)

RN 90376-88-8 HCAPLUS

CN 2,3-Quinolinedicarboxylic acid, 6-cyano- (CA INDEX NAME)

RN 92513-41-2 HCAPLUS

CN 2,3-Quinolinedicarboxylic acid, 6-nitro- (CA INDEX NAME)

RN 92513-42-3 HCAPLUS

CN 2,3-Quinolinedicarboxylic acid, 8-methoxy- (CA INDEX NAME)

RN 92513-43-4 HCAPLUS

CN 2,3-Quinolinedicarboxylic acid, 6-(trifluoromethyl)- (CA INDEX NAME)

RN 92513-44-5 HCAPLUS

CN 2,3-Quinolinedicarboxylic acid, 6-phenyl- (CA INDEX NAME)

RN 92513-45-6 HCAPLUS

CN 2,3-Quinolinedicarboxylic acid, 7,8-dimethyl- (CA INDEX NAME)

RN 92513-46-7 HCAPLUS

CN 2,3-Quinolinedicarboxylic acid, 6-ethyl- (CA INDEX NAME)

RN 92513-47-8 HCAPLUS

CN 2,3-Quinolinedicarboxylic acid, 6-(difluoromethoxy)- (CA INDEX NAME)

RN 92513-48-9 HCAPLUS

CN 2,3-Quinolinedicarboxylic acid, 7-ethoxy- (CA INDEX NAME)

RN 92513-49-0 HCAPLUS

CN 2,3-Quinolinedicarboxylic acid, 6-bromo- (CA INDEX NAME)

RN 92513-50-3 HCAPLUS

CN 2,3-Quinolinedicarboxylic acid, 6-chloro- (CA INDEX NAME)

IT 39633-01-7P 90376-89-9P 90376-90-2P 90376-91-3P 90376-92-4P 90376-93-5P

90376-94-6P 90376-95-7P 90376-96-8P

107504-15-4P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP

(Preparation); RACT (Reactant or reagent)

(preparation and dehydration of, quinolinic anhydride derivative by)

RN 39633-01-7 HCAPLUS

CN 2,3-Pyridinedicarboxylic acid, 6-phenyl- (CA INDEX NAME)

RN 90376-89-9 HCAPLUS

CN 2,3-Pyridinedicarboxylic acid, 6-(4-chlorophenyl)- (CA INDEX NAME)

RN 90376-90-2 HCAPLUS

CN 2,3-Pyridinedicarboxylic acid, 6-(4-methylphenyl)- (CA INDEX NAME)

RN 90376-91-3 HCAPLUS

CN 2,3-Pyridinedicarboxylic acid, 6-ethyl- (CA INDEX NAME)

RN 90376-92-4 HCAPLUS

CN 2,3-Pyridinedicarboxylic acid, 6-propyl- (CA INDEX NAME)

RN 90376-93-5 HCAPLUS

CN 2,3-Pyridinedicarboxylic acid, 6-(1-methylethyl)- (CA INDEX NAME)

RN 90376-94-6 HCAPLUS

CN 2,3-Pyridinedicarboxylic acid, 6-(trifluoromethyl)- (CA INDEX NAME)

RN 90376-95-7 HCAPLUS

CN 5H-Cyclopenta[b]pyridine-2,3-dicarboxylic acid, 6,7-dihydro- (CA INDEX NAME)

RN 90376-96-8 HCAPLUS

CN 2,3-Pyridinedicarboxylic acid, 5,6-dimethyl- (CA INDEX NAME)

RN 107504-15-4 HCAPLUS

CN 2,3-Quinolinedicarboxylic acid, 5,6,7,8-tetrahydro- (CA INDEX NAME)

IT 39632-98-9P 92487-60-0P 92487-61-1P

92487-62-2P 92487-63-3P 92487-64-4P

107504-14-3P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP

(Preparation); RACT (Reactant or reagent)

(preparation and sapon. of)

RN 39632-98-9 HCAPLUS

CN 2,3-Pyridinedicarboxylic acid, 6-phenyl-, dimethyl ester (9CI) (CA INDEX NAME)

RN 92487-60-0 HCAPLUS

CN 2,3-Pyridinedicarboxylic acid, 6-(4-chlorophenyl)-, dimethyl ester (9CI) (CA INDEX NAME)

RN 92487-61-1 HCAPLUS

CN 2,3-Pyridinedicarboxylic acid, 6-(4-methylphenyl)-, dimethyl ester (9CI)

(CA INDEX NAME)

RN 92487-62-2 HCAPLUS

CN 2,3-Pyridinedicarboxylic acid, 6-ethyl-, dimethyl ester (9CI) (CA INDEX NAME)

RN 92487-63-3 HCAPLUS

CN 2,3-Pyridinedicarboxylic acid, 6-propyl-, dimethyl ester (9CI) (CA INDEX NAME)

RN 92487-64-4 HCAPLUS

CN 2,3-Pyridinedicarboxylic acid, 6-(1-methylethyl)-, dimethyl ester (9CI) (CA INDEX NAME)

RN 107504-14-3 HCAPLUS

CN 2,3-Pyridinedicarboxylic acid, 5,6-dimethyl-, dimethyl ester (9CI) (CA INDEX NAME)

L18 ANSWER 5 OF 7 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1985:422586 HCAPLUS

DOCUMENT NUMBER: 103:22586

ORIGINAL REFERENCE NO.: 103:3727a,3730a

TITLE: (2-Imidazolin-2-yl)thieno- and -furo[2,3-b] and

[3,2-b] pyridines, their intermediates, and their use

as herbicides

INVENTOR(S): Los, Marinus; Ladner, David William; Cross, Barrington

PATENT ASSIGNEE(S): American Cyanamid Co. , USA

SOURCE: Ger. Offen., 136 pp.

CODEN: GWXXBX

DOCUMENT TYPE: Patent LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	
DE 3420271		19841206	DE 1984-3420271	
DE 3420271	C2	19940526		
EP 127883	A2	19841212	EP 1984-106199	19840530
EP 127883	A3	19850821		
EP 127883	B1	19890607		
R: AT, BE, CH,	FR, GB	, IT, LI, N	IL, SE	
ZA 8404134	A	19850130	ZA 1984-4134	19840530
AT 43845	T	19890615	AT 1984-106199	19840530
DK 8402736	A	19841203	DK 1984-2736	19840601
AU 8428966	A	19841206	AU 1984-28966	19840601
BR 8402685	A	19850507	BR 1984-2685	19840601
JP 60185783	A	19850921	JP 1984-112891	19840601
JP 05056354	В	19930819		
HU 36 3 5 2	A2	19850930	HU 1984-2147	19840601
HU 200655	В	19900828		
DD 231279	A5	19851224	DD 1984-263714	19840601
IL 71990	A	19881115	IL 1984-71990	19840601
IL 84850	A	19881115	IL 1984-84850	19840601
IL 84851	A	19881115	IL 1984-84851	19840601
CA 125 96 17	A1	19890919	CA 1984-455718	19840601
CS 270409	В2	19900613	CS 1984-4140	19840601
HU 203 8 33	В	19911028	HU 1990-3052	19840601
AU 8434530	A	19850207	AU 1984-34530	19841019
AU 572 9 02	B2	19880519		

US 4 6 50514	A	19870317	US	1984-676133		19841129
CS 270430	В2	19900613	CS	1986-1345		19860227
US 4752323	A	19880621	US	1987-929681		19870121
US 4920226	A	19900424	US	1989-358926		19890530
CA 1272728	A2	19900814	CA	1989-604997		19890706
DK 9201320	A	19921029	DK	1992-1320		19921029
RU 2058313	C1	19960420	RU	1994-3754151		19940601
PRIORITY APPLN. INFO.:			US	1983-500219	Α	19830602
			US	1984-611191	A2	19840521
			ΕP	1984-106199	Α	19840530
			CA	1984-455718	А3	19840601
			CS	1984-4140	А3	19840601
			IL	1984-71990	Α	19840601
			US	1984-676133	А3	19841129
			US	1987-929681	A 3	19870121
			US	1988-176542	В1	19880401
OTHER SOURCE(S).	CASREZ	ACT 103.2258	6 • м	APPAT 103.22586		

OTHER SOURCE(S): CASREACT 103:22586; MARPAT 103:22586

AB The title compds. [I, II; X, X1 = O, S; R = H, acyl; R1 = alkyl; R2 = alkyl, cycloalkyl; R1R2 = alkylene; R3 = CO2H, modified CO2H, CHO, CH2OH, COCH2OH, (un)substituted 2-imidazolin-2-yl; R4-R7 = H, halo, acyloxy, alkylsulfonyl, amino, cyano, NO2, (un)substituted alkyl, alkoxy, Ph; R4R7 = bond; R5R6 = (un)substituted CH:CHCH:CH] were prepared Thus, 3-(acetylamino)-2-thiophenecarboxaldehyde was deacetylated and cyclocondensed with MeO2CC.tplbond.CCO2Me to give di-Me thieno[3,2-b]pyridine-5,6-dicarboxylate. This was saponified, converted to the cyclic anhydride, and treated with Me2CHCMe(NH2)CONH2 to give amide III which was cyclized by heating in aqueous NaOH to give imidazoline derivative

IV. I are effective herbicides against, e.g., Avena fatua at 1 kg/ha.

RN 94746-62-0 HCAPLUS

CN 2,3-Pyridinedicarboxylic acid, 1,6-dihydro-5-iodo-6-oxo-, dimethyl ester (9CI) (CA INDEX NAME)

IT 94746-89-1P 94746-90-4P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP

(Preparation); RACT (Reactant or reagent)
(preparation and borohydride reduction of)

RN 94746-89-1 HCAPLUS

CN 2,3-Pyridinedicarboxylic acid, 5-(bromoacetyl)-1,6-dihydro-6-oxo-, diethyl ester (9CI) (CA INDEX NAME)

RN 94746-90-4 HCAPLUS

CN 2,3-Pyridinedicarboxylic acid, 5-(2-bromo-2-methyl-1-oxopropyl)-1,6-dihydro-6-oxo-, diethyl ester (9CI) (CA INDEX NAME)

IT 94746-87-9P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation and bromination of)

RN 94746-87-9 HCAPLUS

CN 2,3-Pyridinedicarboxylic acid, 5-acetyl-1,6-dihydro-6-oxo-, diethyl ester

RN 94746-88-0 HCAPLUS
CN 2,3-Pyridinedicarboxylic acid, 1,6-dihydro-5-(2-methyl-1-oxopropyl)-6-oxo, diethyl ester (9CI) (CA INDEX NAME)

RN 94746-91-5 HCAPLUS
CN 2,3-Pyridinedicarboxylic acid, 5-(2-bromo-1-hydroxyethyl)-1,6-dihydro-6-oxo-, diethyl ester (9CI) (CA INDEX NAME)

$$\begin{array}{c|c} O & H & O \\ H & N & O \\ EtO-C & CH-CH_2Br \\ O & OH \end{array}$$

RN 94746-97-1 HCAPLUS

CN Thieno[2,3-b]pyridine-5,6-dicarboxylic acid (CA INDEX NAME)

RN 94746-98-2 HCAPLUS

CN Thieno[2,3-b]pyridine-5,6-dicarboxylic acid, 3-chloro- (CA INDEX NAME)

RN 94746-99-3 HCAPLUS

CN Thieno[2,3-b]pyridine-5,6-dicarboxylic acid, 3-bromo- (CA INDEX NAME)

RN 94747-00-9 HCAPLUS

CN Thieno[2,3-b]pyridine-5,6-dicarboxylic acid, 3-methyl- (CA INDEX NAME)

RN 94747-01-0 HCAPLUS

CN [1]Benzothieno[2,3-b]pyridine-2,3-dicarboxylic acid, 5,6,7,8-tetrahydro-(CA INDEX NAME)

RN 94747-20-3 HCAPLUS

CN Thieno[3,2-b]pyridine-5,6-dicarboxylic acid, 3-chloro- (CA INDEX NAME)

RN 94747-21-4 HCAPLUS

CN Thieno[3,2-b]pyridine-5,6-dicarboxylic acid, 3-bromo- (CA INDEX NAME)

RN 94747-28-1 HCAPLUS

CN Furo[3,2-b]pyridine-5,6-dicarboxylic acid (CA INDEX NAME)

RN 94747-56-5 HCAPLUS

CN Thieno[3,2-b]pyridine-5,6-dicarboxylic acid (CA INDEX NAME)

L18 ANSWER 6 OF 7 HCAPLUS COPYRIGHT 2008 ACS on STN

I

ACCESSION NUMBER: 1982:142541 HCAPLUS

96:142541 DOCUMENT NUMBER:

ORIGINAL REFERENCE NO.: 96:23433a,23436a

A convergent total synthesis of methoxatin TITLE: Hendrickson, James B.; DeVries, Johannes G. AUTHOR(S):

CORPORATE SOURCE: Dep. Chem., Brandeis Univ., Waltham, MA, 02254, USA Journal of Organic Chemistry (1982), 47(6), 1148-50 SOURCE:

CODEN: JOCEAH; ISSN: 0022-3263

DOCUMENT TYPE: Journal LANGUAGE: English

GT

The total synthesis of the coenzyme methoxatin (I) is achieved by AΒ convergent linking of two halves, Et 4-formyl-2-pyrrolecarboxylate and di-Me uvitonate, converted first to Wittig reagent. The olefin-linked heterocycles are oxidatively photocyclized to deoxymethoxatin tri-ester and this functionalized to methoxatin by nitration to dinitro derivative, Na2S2 reduction to nitro amine, MnO2/H2SO4 oxidn. to nitro quinone; hydrogenation to amine, diazotization and H3PO2 reduction to methoxatin tri-ester, which is saponified to I.

ΙT 80721-35-3P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation and bromination of)

RN 80721-35-3 HCAPLUS

CN 2,4-Pyridinedicarboxylic acid, 6-methyl-, dimethyl ester (9CI) (CA INDEX NAME)

499-50-3P ΙT

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation and esterification of)

RN 499-50-3 HCAPLUS

CN 2,4-Pyridinedicarboxylic acid, 6-methyl- (CA INDEX NAME)

IT 80721-38-6P 80721-39-7P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation and photooxidn. of)

RN 80721-38-6 HCAPLUS

CN 2,4-Pyridinedicarboxylic acid, 6-[2-[5-(ethoxycarbonyl)-1H-pyrrol-3-yl]ethenyl]-, dimethyl ester, (E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

RN 80721-39-7 HCAPLUS

CN 2,4-Pyridinedicarboxylic acid, 6-[2-[5-(ethoxycarbonyl)-1H-pyrrol-3-yl]ethenyl]-, dimethyl ester, (Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

IT 80721-37-5P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation and reaction of, with formylpyrrolecarboxylate)

RN 80721-37-5 HCAPLUS

CN Phosphonium, [[4,6-bis(methoxycarbonyl)-2-pyridinyl]methyl]triphenyl-, bromide (9CI) (CA INDEX NAME)

• Br-

IT 80721-36-4P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation and reaction of, with triphenylphosphine)

RN 80721-36-4 HCAPLUS

CN 2,4-Pyridinedicarboxylic acid, 6-(bromomethyl)-, dimethyl ester (9CI) (CA INDEX NAME)

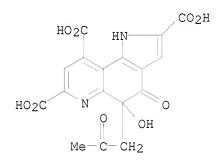
IT 72909-34-3P 73030-04-3P

RN 72909-34-3 HCAPLUS

CN 1H-Pyrrolo[2,3-f]quinoline-2,7,9-tricarboxylic acid, 4,5-dihydro-4,5-dioxo-(CA INDEX NAME)

RN 73030-04-3 HCAPLUS

CN 1H-Pyrrolo[2,3-f]quinoline-2,7,9-tricarboxylic acid, 4,5-dihydro-5-hydroxy-4-oxo-5-(2-oxopropyl)- (CA INDEX NAME)



L18 ANSWER 7 OF 7 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1979:611214 HCAPLUS

DOCUMENT NUMBER: 91:211214

ORIGINAL REFERENCE NO.: 91:34025a,34028a

TITLE: Synthesis of some methoxycarbonyl-2-carboxypyridine N-

oxides

AUTHOR(S): Misic-Vukovic, Milica; Dimitrijevic, Dorde; Tadic,

Zivorad

CORPORATE SOURCE: Fac. Technol. Metall., Univ. Belgrade, Belgrade,

YU-11001, Yugoslavia

SOURCE: Glasnik Hemijskog Drustva Beograd (1979), 44(4),

237-41

CODEN: GHDBAX; ISSN: 0017-0941

DOCUMENT TYPE: Journal LANGUAGE: English

OTHER SOURCE(S): CASREACT 91:211214

GΙ

AB Oxidn. of I (R = R1 = CO2Me2, R2 = H, n = 0) with AcOH-H2O2 yielded I [R = CO2H, R1 = CO2Me, R2 = H, n = 1 (II); R = R2 = H, R1 = CO2Me, n = 1). Alkaline hydrolysis of II gave I (R = R1 = CO2H, R2 = H, n = 1) the methylation of which by CH2N2 gave I (R = R2 = CO2Me, R1 = H, n = 0). H2O2 oxidn. of I (R = R2 = CO2Me, R1 = H, n = 0) gave I (R = CO2H, R1 = H, R2 = CO2Me, n = 1).

IT 25658-36-0

RL: RCT (Reactant); RACT (Reactant or reagent)
 (oxidn. of, with hydrogen peroxide)

RN 25658-36-0 HCAPLUS

CN 2,4-Pyridinedicarboxylic acid, dimethyl ester (6CI, 7CI, 8CI, 9CI) (CA INDEX NAME)

IT 16830-32-3P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation and methylation of, with diazomethane)

RN 16830-32-3 HCAPLUS

CN 2,4-Pyridinedicarboxylic acid, 1-oxide (CA INDEX NAME)

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FILE LAST UPDATED: 01 May 1997 (19970501/UP)

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(FILE 'HOME' ENTERED AT 15:49:32 ON 06 MAR 2008)

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FILE 'CASREACT' ENTERED AT 15:49:39 ON 06 MAR 2008
L1
                STRUCTURE UPLOADED
L2
              0 S L1
              0 S L1 FULL
L3
                STRUCTURE UPLOADED
L4
L5
              0 S L4
L6
              3 S L4 FULL
L7
              0 S L6 AND LEVY, M?/AU
     FILE 'REGISTRY' ENTERED AT 16:02:48 ON 06 MAR 2008
                STRUCTURE UPLOADED
1.8
             38 S L8
L9
L10
           1059 S L8 FULL
     FILE 'HCAPLUS' ENTERED AT 16:06:44 ON 06 MAR 2008
L11
            938 S L10/PREP
     FILE 'REGISTRY' ENTERED AT 16:06:51 ON 06 MAR 2008
L12
                STRUCTURE UPLOADED
L13
            983 S L12 FULL
     FILE 'HCAPLUS' ENTERED AT 16:09:15 ON 06 MAR 2008
            684 S L13
L14
            227 S L13/RCT
L15
             62 S L15 AND L11
L16
             14 S L16 AND SAPONIFICATION
L17
```

FILE 'CAOLD' ENTERED AT 16:10:33 ON 06 MAR 2008

=> s 113 and 111 QUALIFICATION NOT VALID FOR L10 Field code qualifications can only be applied to text terms.

0 S L18 AND LEVY, M?/AU

7 S L17 AND OXID?

L18

L19

=> s 110 and 113

160 L10

54 L13

L20 23 L10 AND L13

=>

=> s 120 and oxid?

71605 OXID?

L21 2 L20 AND OXID?

=> d 121, all, 1-2

L21 ANSWER 1 OF 2 CAOLD COPYRIGHT 2008 ACS on STN

AN CA57:15065a CAOLD

TI electrochem. oxidn. of 2,4-lutidine

AU Khomyakov, V. G.; Kruglikov, S. S.; Kazakova, L. I.

IT 25658-36-0 89977-06-0

L21 ANSWER 2 OF 2 CAOLD COPYRIGHT 2008 ACS on STN

AN CA52:15524f CAOLD

TI fungi - (XXXIII) oxidation of sclerotioramine and the structure of sclerotiorin

AU Fielding, H. C.; Robertson, A.; Travers, R. B.; Whalley, W. B.

IT 96-17-3 490-28-8 1646-99-7 65644-84-0 77731-53-4 101889-01-4 110054-37-0 111415-80-6

=> FIL REGISTRY

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	4.31	676.76
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-7.85

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STRUCTURE FILE UPDATES: 5 MAR 2008 HIGHEST RN 1006749-26-3 DICTIONARY FILE UPDATES: 5 MAR 2008 HIGHEST RN 1006749-26-3

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experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=> S 25658-36-0/RN

L22 1 25658-36-0/RN

=> SET NOTICE 1 DISPLAY

NOTICE SET TO 1 U.S. DOLLAR FOR DISPLAY COMMAND SET COMMAND COMPLETED

=> D L22 SQIDE 1-

YOU HAVE REQUESTED DATA FROM 1 ANSWERS - CONTINUE? Y/(N):Y
THE ESTIMATED COST FOR THIS REQUEST IS 6.65 U.S. DOLLARS
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N:Y

L22 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2008 ACS on STN

RN 25658-36-0 REGISTRY

CN 2,4-Pyridinedicarboxylic acid, dimethyl ester (6CI, 7CI, 8CI, 9CI) (CA INDEX NAME)

OTHER NAMES:

CN 2,4-Bismethoxycarbonylpyridine

CN Dimethyl 2,4-pyridinedicarboxylate

CN NSC 78960

MF C9 H9 N O4

LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, SPECINFO, TOXCENTER, USPATFULL

(*File contains numerically searchable property data)

DT.CA CAplus document type: Journal; Patent

RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)

RL.NP Roles from non-patents: ANST (Analytical study); FORM (Formation, nonpreparative); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

45 REFERENCES IN FILE CA (1907 TO DATE)

45 REFERENCES IN FILE CAPLUS (1907 TO DATE)

5 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> SET NOTICE LOGIN DISPLAY NOTICE SET TO OFF FOR DISPLAY COMMAND SET COMMAND COMPLETED => d his (FILE 'HOME' ENTERED AT 15:49:32 ON 06 MAR 2008) FILE 'CASREACT' ENTERED AT 15:49:39 ON 06 MAR 2008 L1STRUCTURE UPLOADED L2 0 S L1 L3 0 S L1 FULL STRUCTURE UPLOADED L40 S L4 L53 S L4 FULL L6 L7 0 S L6 AND LEVY, M?/AU FILE 'REGISTRY' ENTERED AT 16:02:48 ON 06 MAR 2008 L8 STRUCTURE UPLOADED 38 S L8 L9 L10 1059 S L8 FULL FILE 'HCAPLUS' ENTERED AT 16:06:44 ON 06 MAR 2008 L11 938 S L10/PREP FILE 'REGISTRY' ENTERED AT 16:06:51 ON 06 MAR 2008 L12 STRUCTURE UPLOADED L13 983 S L12 FULL FILE 'HCAPLUS' ENTERED AT 16:09:15 ON 06 MAR 2008 L14684 S L13 L15 227 S L13/RCT 62 S L15 AND L11 L17 14 S L16 AND SAPONIFICATION L18 7 S L17 AND OXID? L19 0 S L18 AND LEVY, M?/AU FILE 'CAOLD' ENTERED AT 16:10:33 ON 06 MAR 2008 23 S L10 AND L13 L20 L21 2 S L20 AND OXID?

FILE 'REGISTRY' ENTERED AT 16:11:36 ON 06 MAR 2008

1 S 25658-36-0/RN

SET NOTICE 1 DISPLAY
SET NOTICE LOGIN DISPLAY

=> s 121 and saponif? 936052 OXID? 30 SAPONIF? L23 0 L21 AND SAPONIF?

L22